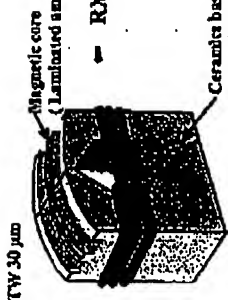




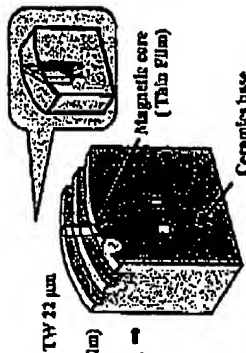
Decrease Spacing Loss

- Development of Trench Head

Playback Head
(Laminated Amorphous)



Record Head
(ETP, Embedded Thin Film)



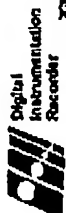
TW 22 μm

→ RK 15 mm →

Magnetic core (Thin Film)

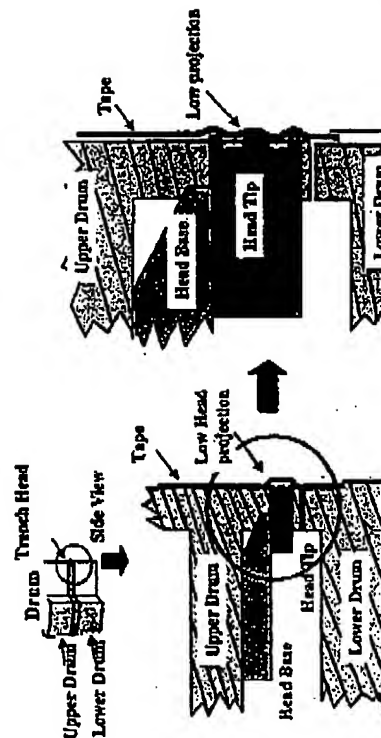
Ceramics base (CtTiO2)

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Effect of Trench Head (2)

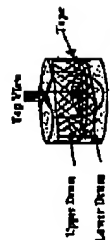
- Head to Tape contact under low projection



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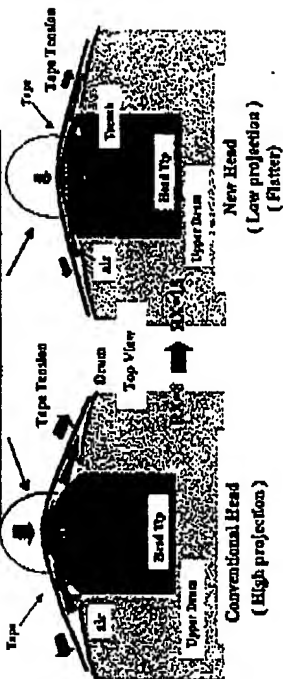


Effect of Trench Head



Head to Tape Spacing

Force balance of head projection to tape tension



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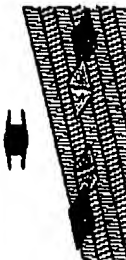


Tracking Backward Compatibility

ID-1 ↔ DIR-1G



ID-1 45μm PB Head 30μm
(ID-1 512 M Mode)



DIR 1G 10μm PB Head 30μm

DTF-1 ↔ DTF-2
(DIR-240)



DTF-1 20μm PB Head 30μm



DTF-1 18.5μm PB Head 30μm
DIR-140



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